

600w MOSFET Amplifier List of Parts

No.	Description	References	Value	Quantity Per PCB
1	Unpolarized capacitor	C6	100pf 50v	1
2	Unpolarized capacitor	C3	220pf 50v	1
3	Unpolarized capacitor	C9 C10 C11	100nf 100v	3
4	Polarized capacitor	C1 C2	22uf 63v	2
5	Polarized capacitor	C5	47uf 63v	1
6	Polarized capacitor	C4	220uf 25v	1
7	Polarized capacitor	C7 C8	220uf 80v	2
8	1N4007	D1 D2 D7 D8	1N4007	4
9	1N4148	D3 D4 D5 D6 D9	1N4148	5
10	Fuse Holder	F1 F2	Fuse 5A	2
11	Connector +VE	J2	+VE Supply	1
12	Connector -VE	J6	-VE Supply	1
13	Connector GND	J4 J5	GND	2
14	Connector SPK	J3	SPK	1
15	Screw Terminal 2 Pole	J1	Signal IN	1
16	Wire Jumper / 0Ω Resistor	JP1 JP2 JP3	Jumper	3
17	Inductor Coil	L1	1000nH	1
18	2N5401	Q1 Q2 Q5 Q6 Q21	2N5401	5
19	2N5551	Q3 Q4 Q7 Q8 Q20	2N5551	5
20	2SA1837	Q13	2SA1837	1
21	2SC4793	Q12	2SC4793	1
22	BD139	Q10	BD139	1
23	IRFP240	Q15 Q17 Q19	IRFP240	3
24	IRFP9240	Q14 Q16 Q18	IRFP9240	3
25	MJE340	Q11	MJE340	1
26	MJE350	Q9	MJE350	1
27	Resistor 1 watt	R38	10R	1
28	Resistor 1/4 watt	R23 R24	10R	2
29	Resistor 1/4 watt	R4 R7	22R	2
30	Resistor 1/4 watt	R19	47R	1
31	Resistor 1/4 watt	R5 R8	68R	2
32	Resistor 1/4 watt	R17 R20 R21 R22 R25 R42 R43	100R	7
33	Resistor 1/4 watt	R3	150R	1
34	Resistor 1/4 watt	R14	220R	1
35	Resistor 1/4 watt	R26 R27 R30 R31 R34 R35	470R	6
36	Resistor 1/4 watt	R1 R6 R11 R13 R15 R16 R39 R41	1K	8
37	Resistor 1/4 watt	R40	6.8K	1
38	Resistor 1/4 watt	R9 R10	10K	2
39	Resistor 1/4 watt	R2 R12	33K	2
40	Resistor 5 watt	R28 R29 R32 R33 R36 R37	0E47	6
41	Pot / Preset	RV1	1K	1

Note - Q10, Q12, Q13 Must be Fitted together on a piece of Aluminum / Heatsink otherwise Power MOSFETS will Burnout.